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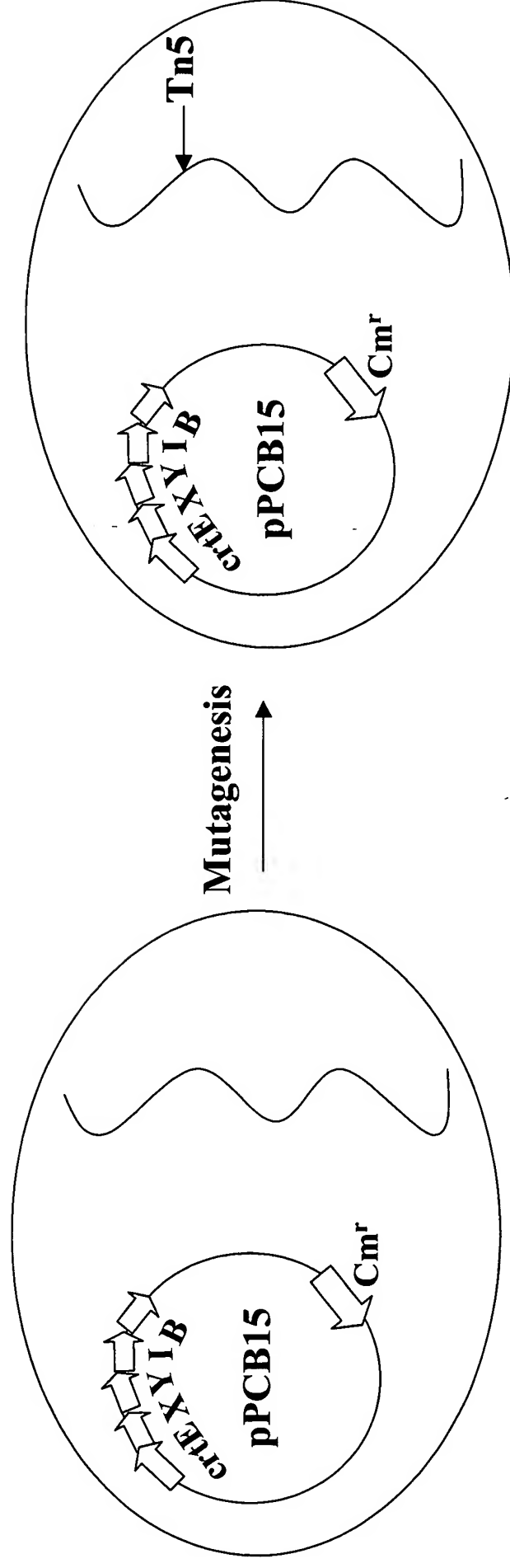
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FIGURE 1



Yellow

Deeper yellow or White

**FIGURE 2**  
 **$\beta$ -carotene quantitation**

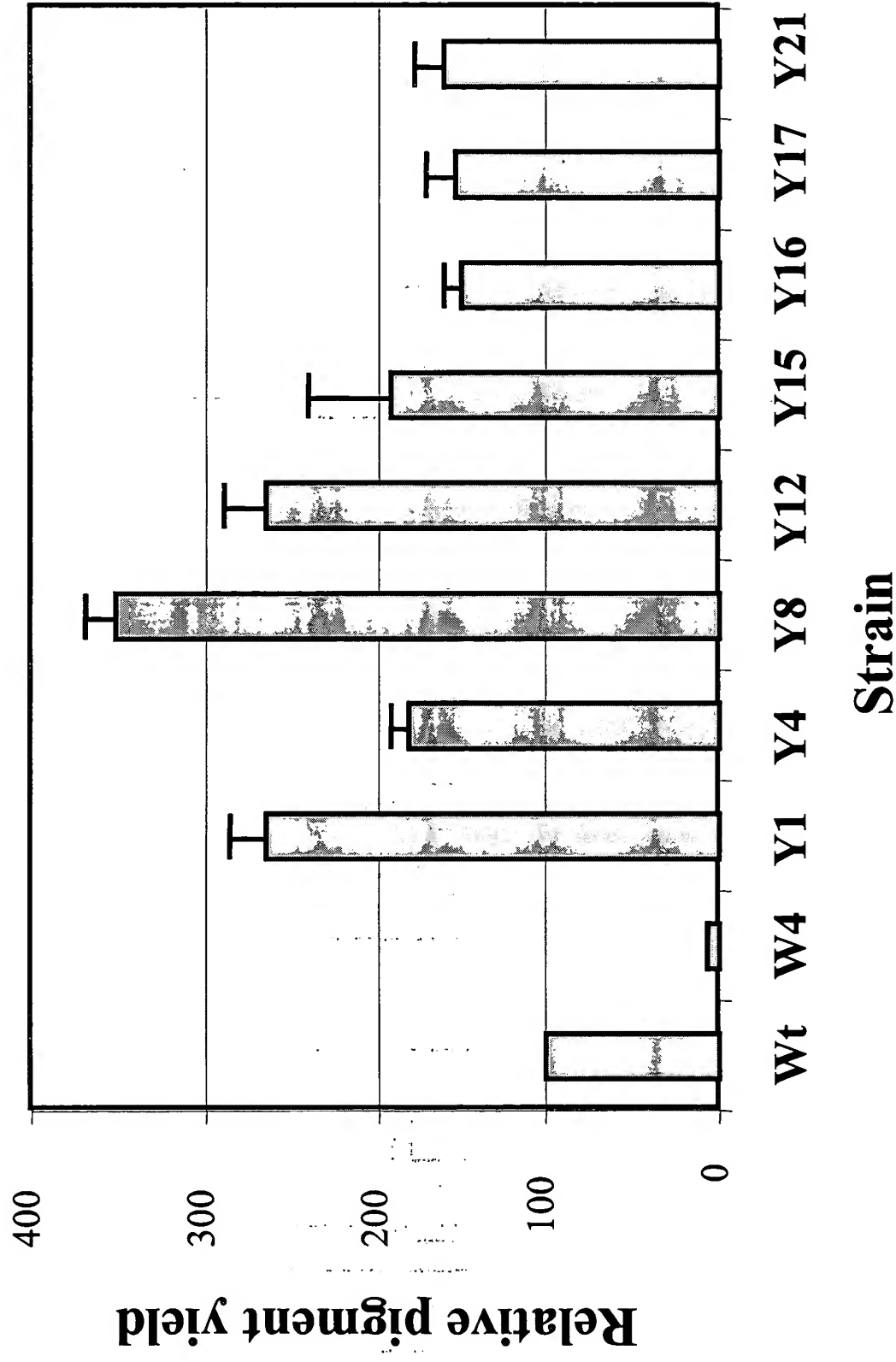
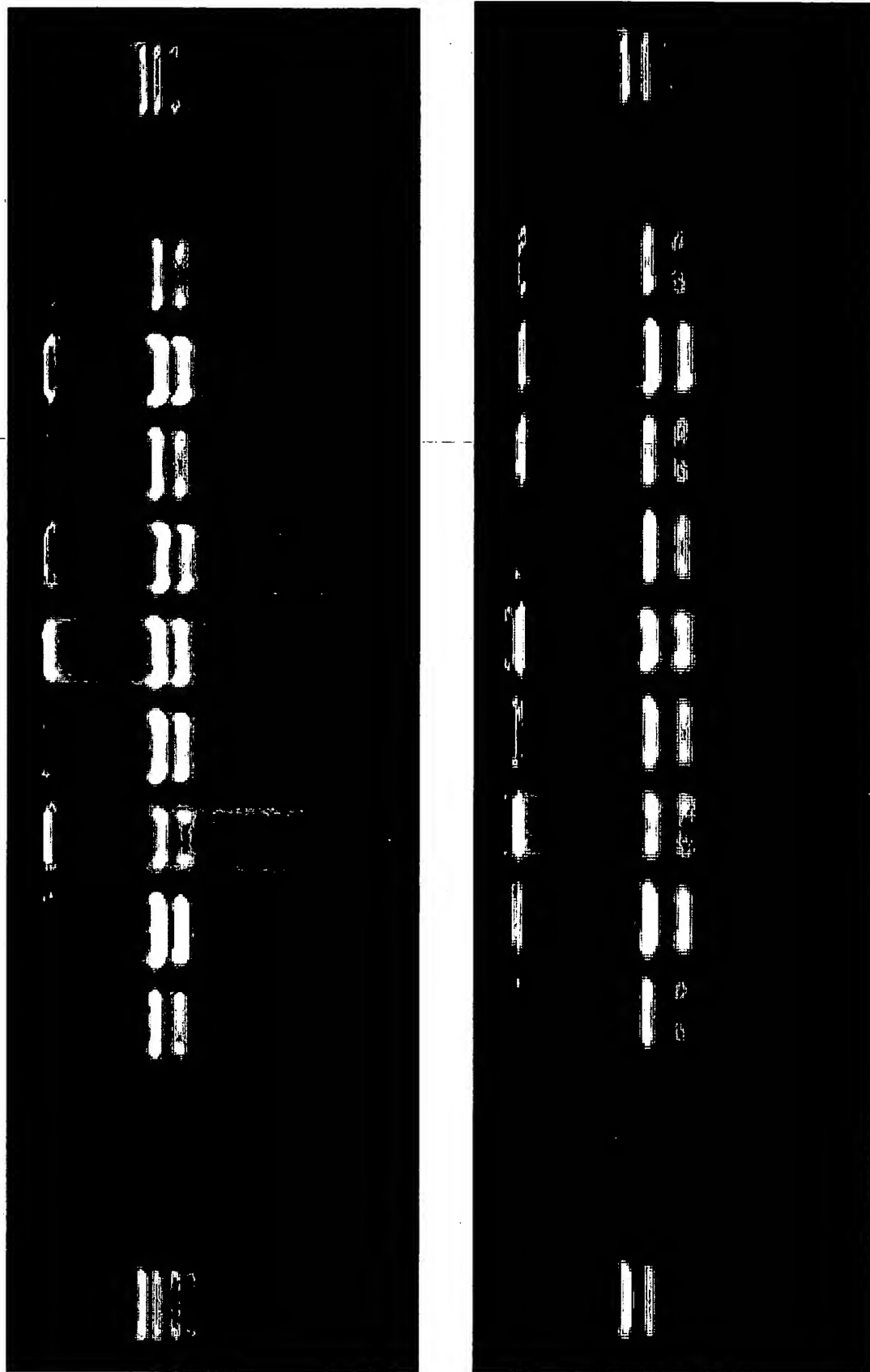


FIGURE 3

W4 Y21 Y17 Y16 Y15 Y12 Y8 Y4 Y1 MG1655



Y17	Y15	Y12	Y8	Y1	MG1655
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pPCB15						
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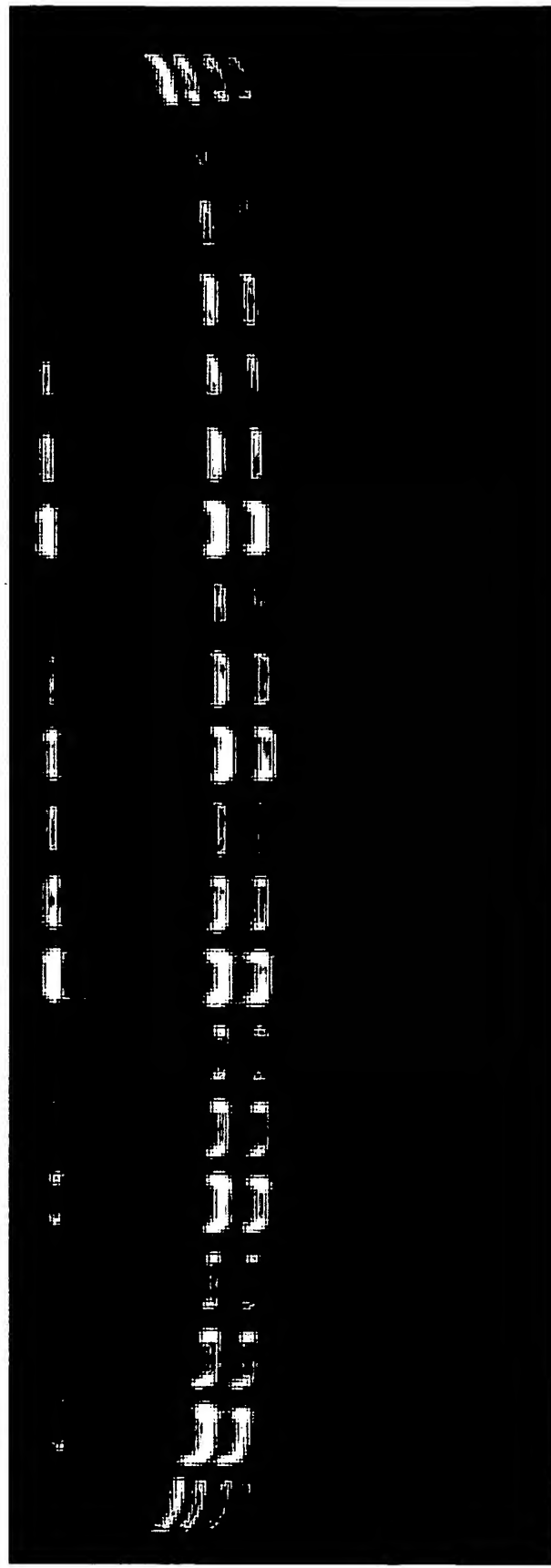
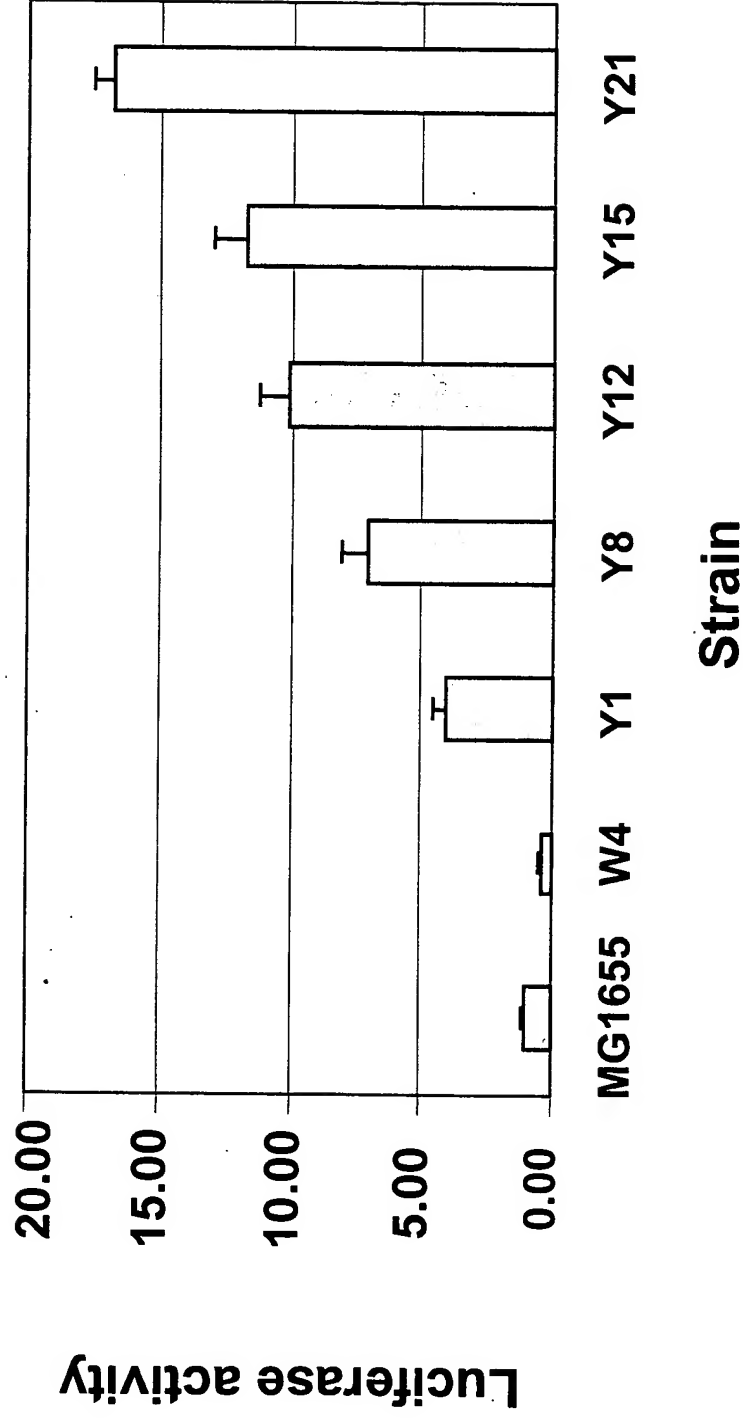


FIGURE 4

FIGURE 5



Y17	Y15	Y12	Y8	Y1	W4	MG1655
pTV200						

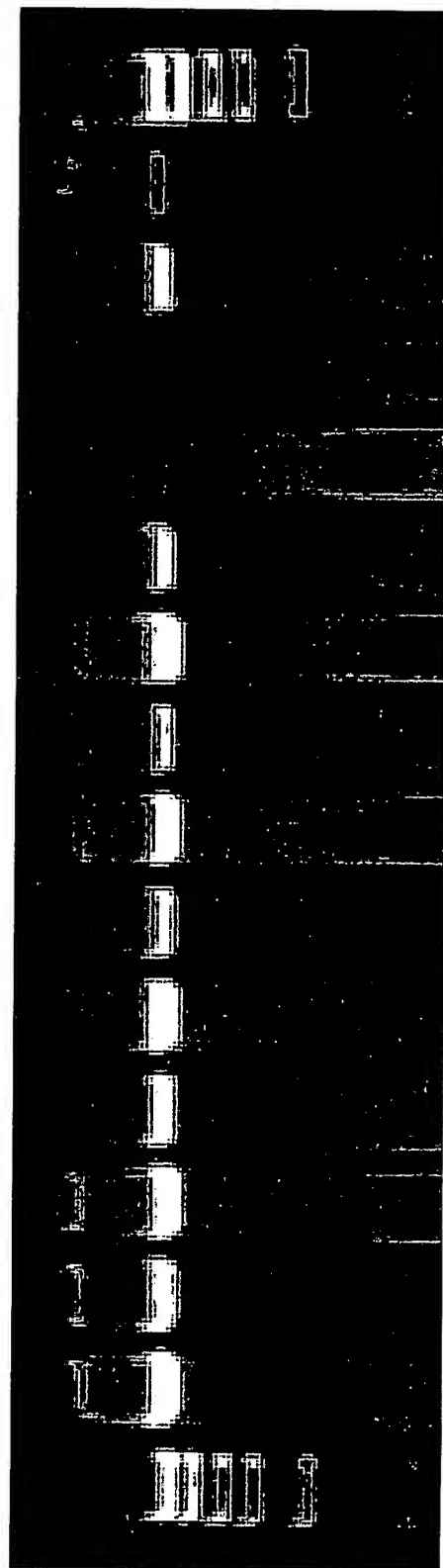





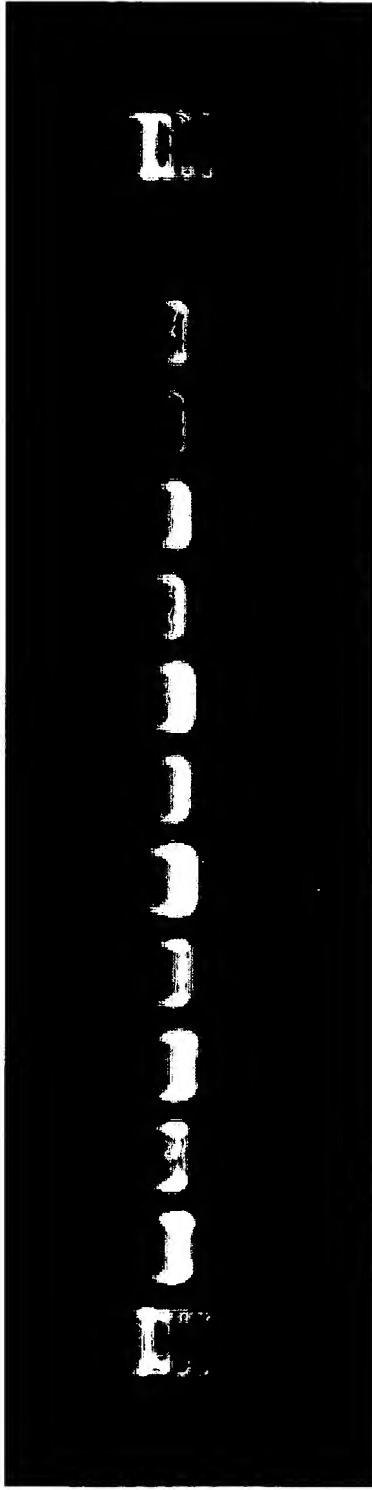


FIGURE 6

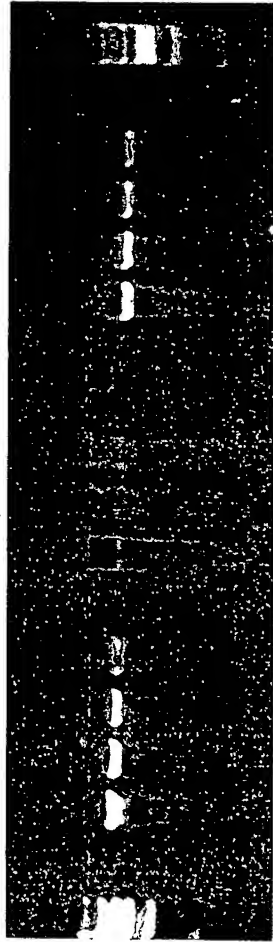
FIGURE 7

Y17	Y15	Y12	Y8	Y1	MG1655
pBR328					

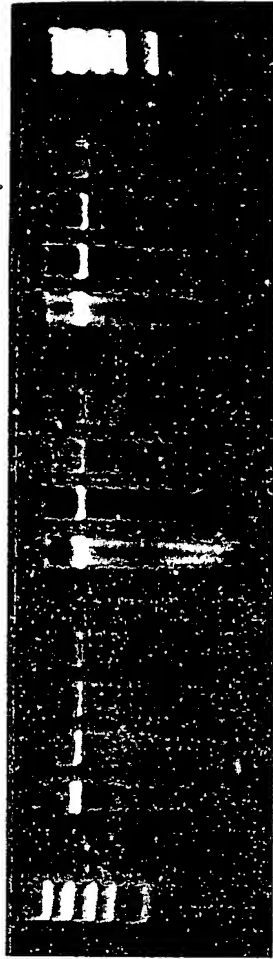




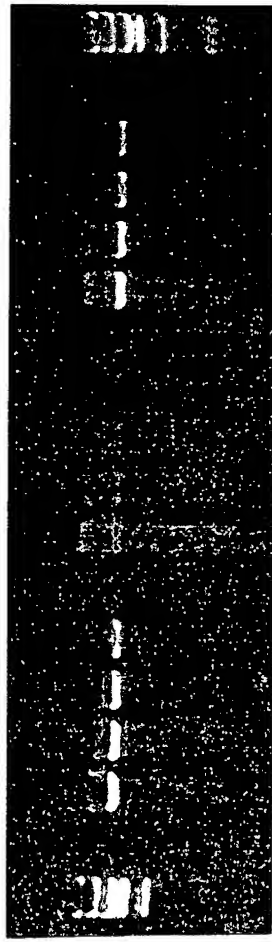
Y15                      w4                      MG1655  
pBR328



Y15                      w4                      MG1655  
pBHR1



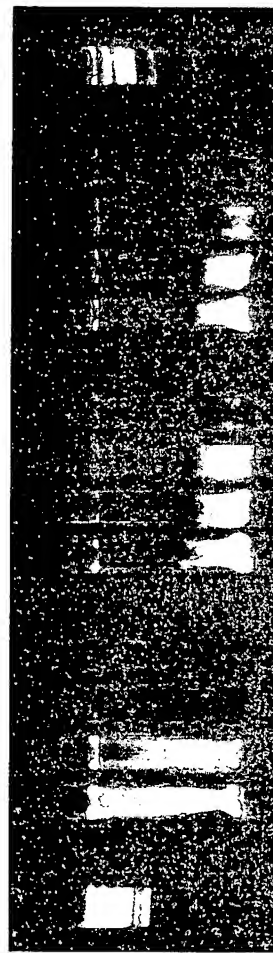
pACYC184



pMMB66



pSC101



pTJS75

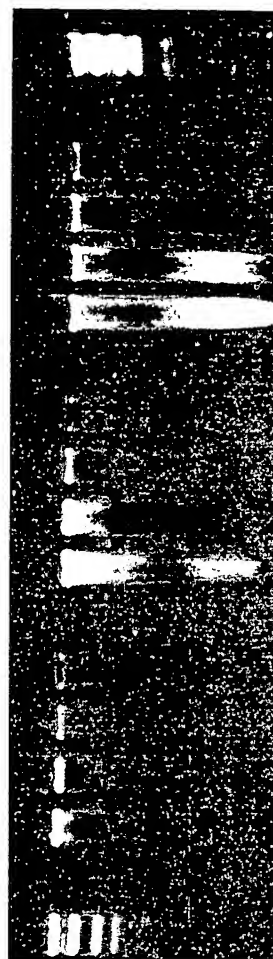


Figure 8